# LAND APPLICATION SITE ROBERT E. GIBSON EXREG 1 ESSEX COUNTY

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application agrinere as "Landowner", and remains in effect until it is to the Landowner in the event individual parcels identified	eement is made on 10-31- Recyc Systems, Inc., re erminated in writing by either p of a sale of one or more parce in this agreement changes, the	between  ferred to here as the "Permit arty or, with respect to those als, until ownership of all parase parcels for which owner duals under this agreement.	referred to referr
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	or of record of the real property or reclamation sites identified	located in Estex Co. below in Table 1 and identifi	-Virginia, which includes
Table 1.: Parcels auth	norized to receive biosolids, wa	ater treatment residuals or o	ther industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
Tax Map 23-162R-137	5 23-137R-1219	Cherta Historia	* " 1 % Andre 6
(10 23-163R-1237	23-1626-983	Essex Co.	
1 23-163R-987	23-1374-1207	Tax Map 52-76	
24-53R-70	23-163R-996		
23-157L-646	Application Sites are identified on Su	AT BURE PROVIDED BY	there were
In the event that the Landow within 38 months of the lates 1. Notify the purchaser later than the date o 2. Notify the Permittee The Landowner has no other	Landowner is one of multiple mer sells or transfers all or par st date of biosolids application, or transferee of the applicable of the property transfer; and of the sale within two weeks for agreements for land applicatively if conditions change such	t of the property to which bid the Landowner shall: public access and crop man bllowing property transfer. on on the fields identified he	solids have been applied nagement restrictions no rein. The Landowner will
for application or any part of incorrect. Additional statements	this agreement becomes inval	id or the information herein o	contained becomes
agricultural sites identified at inspections on the land ident	pove and in Exhibit A. The Lar ified above, before, during or a pliance with regulatory require	ndowner also grants permiss after land application of perm	ion for DEQ staff to conduct itted residuals for the
Class B biosolids Water  ☑ Yes ☐ No ☑ Yes			
Charte Plante 1	18	70 - 7	26841 The Tra.
Landowner - Printed Name, Title	Signature	Mailing	Mattaponi Lb , 2. Address & Phone Number
Permittee:	attende o jet v		9 P- 1
manner authorized by the VPA F	ermittee, agrees to apply biosolid: Permit Regulation and in amounts lication field by a person certified	not to exceed the rates identifie	ed in the nutrient management
The Permittee agrees to notify the specifically prior to any particular	ne Landowner or the Landowner's r application to the Landowner's la	designee of the proposed sche and. Notice shall include the so	dule for land application and urce of residuals to be applied.
	ssigning signatory authority to the or review upon request. (Do not ch		
Permittee – Authorized Representa	ative Signature		gton, Virginia 22734 Address

Rev 9/14/2012

Printed Name

Page 1 of 2

#### Landowner Site Management Requirements:

Landowner: Robert E. Gibson This toe

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site: and the graph of the first of t

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of blosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested furf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the blosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

  4. Livestock Access Restrictions:

Following blosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 (1) pounds/acre (0.5 kilograms/hectare).

Roun 5 Gibran	TRUSTEE	10-31-17
Landowner's Signature		Date

26841 The Trail Mattaponi Va. 23//0
Mailing Address & Phone Number Farm Operator Signature
Tommy O. Longest, Jr.

804-785-2484

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D	PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS									
A. This land application agreement is made on 10-31-17 between Notice Calban Trusterred to here as "Landowner", and Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.										
Landowi The Land- the agricu attached a	owner is Itural, sil	vicultural	r of record or reclamat	of the real pi ion sites ide	roperty ntified b	located in	King \$ 5550x ( lie 1 and i	10/1 -1	C Co → Virginia, which is the tax m	ch includes ap(s)
Tab	le 1.: Pa	rcels auth	orized to re	eceive bioso	lids, wa	ter treatmer	it residual	s or other	industrial s	udges
Tax	Parcel II	)	<u>Tax</u>	Parcel ID		<u>Tax F</u>	Parcel ID		<u>Tax Pa</u>	arcel ID
Tax Nop						·	(m - 1)	0	-	
		-137S		1574-69		23-1	63R-9	16		-
	163R-			37R-12						
	163R-			62L-96			X Co.	-		
☐ Additional p	53R-			37L-120		Tax Map				
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Check one	·					owners of th				
within 38 n 1. No lat	nonths of otify the p er than t	f the lates ourchaser he date o	it date of bid or transfer of the proper	osolids appl ee of the ap ty transfer;	ication, plicable and	the Landow	ner shall: ess and cr	op manag	lids have bed gement restr	
notify the F	Permittee	immedia	tely if condi this agreen	itions chang	e such	that the field	ls are no l	onger ava	n. The Lando allable to the tained becom	e Permittee
agricultural inspections	sites ide on the l	entified at and ident	ove and in ified above	Exhibit A. 5, before, dur	The Lan	downer also	grants population o	ermission of permitte	d residuals	aff to conduct
Class B b ⊠ Yes	iosolids □ No	<u>Water</u> ⊠ Yes	treatment r □ No	esiduals	Food ⊠ Ye	processing s DNo		Other in ☑ Yes	ndustrial sluc □ No	<u>iges</u>
100					١	2 L:		26841	1 The T	rail
Nettre C Landowner	- Printed N	11 11 11 11 11	es Wettin	Signature	bson	TRUOTE		Malling Ad	- <u>Poni Vo</u> oress & Phone - 785 - 24	
Permittee	):		•			q		<i>0.</i> -, <i>1</i> ,	• 4	· <i>1</i> .
manner auth	orized by	the VPA	Permit Regul	ation and in a	amounts	not to exceed	the rates	identified i	Landowner's n the nutrient the Code of V	management
									le for land app e of residuals	plication and to be applied.
						person signin eck this box if th				e a copy of this
Permittee -	Authorized	Represent	Water State of the	Sunstin	<b>_</b>	PO E	3ox 562 <u>I</u>	Remingto	on, Virginia	22734
r emiliee - i		representa ted Name	ın 4 <del>0</del>	Signature				Maning Mac	ni 499	

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		King 74	jueen	Co.
Permittee: Recyc Systems, Inc	_—County or City:	Essex	Co.	
Landowner: Nettie C. Gibson Trus	tee			

#### Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested furf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the
  application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more
  months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
- 4. Livestock Access Restrictions:

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Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals
  applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan
  developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three
  years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45
  pounds/acre (0.5 kilograms/hectare).

Part E Zieren Date

Barr E Zieren 26841 The Trail

Mattic C. Hibson Matta poni Va. 23110

Farm Operator Signature Mailing Address & Phone-Number

804-785-2484

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# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application agree here as "Landowner", and Recuntil it is terminated in writing the event of a sale of one or midentified in this agreement characteristics.	ment is made on 994 byc Systems, Inc. referred to by either party or, with respe- tore parcels, until ownership anges, those parcels for white esiduals under this agreement	between <u>Credit s</u> here as the "Permittee". This ct to those parcels that are re of all parcels changes. If ow ch ownership has changed went.	holter Thus Teferred to sagreement remains in effect tained by the Landowner in nership of individual parcels ill no longer be authorized to
Landowner: The Landowner is the owner of agricultural, silvicultural or recl documentation identifying own	amation sites identified belov	King & Queen C located in <u>Essex Co</u> w in Table 1 and identified on	Virginia, which includes the
Table 1.: Parcels author	prized to receive biosolids, w	ater treatment residuals or ot	her industrial sludges
Tax Parce ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
23-162R-1375	23-137R-1219	24-53R-70 K\$	Q Co
23-163R-1237	23-162L-983	Figure 1. Compared to the Comp	magnetist of
23-163R- 987	23-1371-1207	essex Co.	(A. Artistical
23-157L- 646	23-163R 996	Tex Map 52-76	Showe 40
than the date of the or	tate of biosolids application, transferee of the applicable operty transfer; and the sale within two weeks for greements for land applicatily if conditions change such greement becomes invalid corpermission to the Permittee we and in Exhibit A. The Larted above, before, during or ance with regulatory requirer atment residuals.	the Landowner shall: public access and crop mani- processing waste public access and crop mani- processing waste public access and crop mani- public access and c	ein. The Landowner will wallable to the Permittee for ained becomes incorrect. ecified below, on the on for DEQ staff to conduct tted residuals for the lication.
Printed name  J. D. Jongest  By:  Title* Trus/ee  *** I certify that I have authority to  * I certify that I am a responsible proprietorship, LLC, municipality, st  Permittee:	Mailing Address  P. O. Boy 12 (  Rhone No. 804 - 8  sign for the landowner as indicate official [or officer] authorized to a	Landow  C. H. V. 23085  24-47/2  d by my title as executor, Trustee o	Trustee  Dongstan  r Power of attorney, etc.

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name		Mailing Address	Permittee- Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signature
Title	Technical Manager	Phone No. 540-547-3300	Shorts

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	King & Queen Co.
Permittee: Recyc Systems, Inc	King & Queen Co.  County or City: —ESSEX Co.
Landowner: Robert E. Gibson	
Credit Shelter Trust	
Landowner Site Management Requirements:	
I, the Landowner, I have received a DEQ Biosolids Fact S land application of biosolids, the components of biosolids	heet that includes information regarding regulations governing the and proper handling and land application of biosolids.
	the site management requirements and site access restrictions e been applied on my property in order to protect public health, and tices.
of biosolids at the site:	ices at each site under my ownership following the land application
	ed by the Permittee for the purpose of identifying my field as a the Permittee, until at least 30 days after land application at that
2 Public Access	
<ul> <li>a. Public access to land with a high potential</li> </ul>	for public exposure shall be restricted for at least one year
any application of biosolids. No biosolids	for public exposure shall be restricted for at least 30 days following amended soil shall be excavated or removed from the site during provisions are made to prevent public exposure to soil, dusts or
<ul> <li>c. Turf grown on land where biosolids are ap</li> </ul>	plied shall not be harvested for one year after application of >> 1. I on either land with a high potential for public exposure or a lawn,
<ul> <li>a. Food crops with harvested parts that touch shall not be harvested for 14 months after</li> <li>b. Food crops with harvested parts below the application of biosolids when the biosolids months prior to incorporation into the soil, c. Food crops with harvested parts below the biosolids remain on the land surface for a d. Other food crops and fiber crops shall not e. Feed crops shall not be harvested for 30 d. dairy animals).</li> </ul>	n the biosolids/soil mixture and are totally above the land surface the application of biosolids.  surface of the land shall not be harvested for 20 months after the remain on the land surface for a time period of four (4) or more surface of the land shall not be harvested for 38 months when the time period of less than four (4) months prior to incorporation be harvested for 30 days after the application of biosolids; ays after the application of biosolids.
Livestock Access Restrictions:     Following biosolids application to pasture or ha     a. Meat producing livestock shall not be graze     b. Lactating dairy animals shall not be graze     c. Other animals shall be restricted from graze	for a minimum of 60 days.
residuals applications such that the total crop needs	cations will be coordinated with the biosolids and industrial sor nutrients are not exceeded as identified in the nutrient n accordance with §10.1-104.2 of the Code of Virginia;
	e cadmium, should not be grown on the Landowner's land for three trial residuals which bear cadmium equal to or exceeding 0.45
T. O. Yougest on Trustee	9-24-18
Landowner's Signature	9-24-18 Date
	1
- 1	
T.O. Joning	9-24-18
Operator's Signature mailing add	Iress & phone Date

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPL	ICATION AGREEMENT	BIOSOLIDS AND IN	IDUST	RIAL RESIDUALS รี . ไว้เครอก
A. This land application agre here as "Landowner", and Reuntil it is terminated in writing the event of a sale of one or identified in this agreement of receive biosolids or industrial	ecyc Systems, Inc. referred to by either party or, with resp more parcels, until ownershith hanges, those parcels for wi	between <u>Crez</u> o here as the "Permittee ect to those parcels that p of all parcels changes lich ownership has char nent.	e". This t are rel . If owr nged wi	alter Trus referred to agreement remains in effectained by the Landowner in nership of individual parcels Il no longer be authorized to
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying ow	clamation sites identified bel	ow in Table 1 and identi	٥.	Virginia, which includes the
Table 1.: Parcels aut	horized to receive biosolids,	water treatment residua	ls or otl	ner industrial sludges
(A Co Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	100	Tax Parcel ID
23-162R-1375	23-137R-1219	24-53R-70	K\$Q	Co.
23-163K-1237	23-1621-983			
13-163R-987	23-1371-1207	Essex Co.	gP/z	A Party of
23-157L-646	23-163R-996	Tax Mip 52-	76	Asia sa
	Land Application Sites are identifie			ė)
In the event that the Landowi within 38 months of the lates 1. Notify the purchaser than the date of the p	ndowner is one of multiple owner sells or transfers all or part date of biosolids application or transferse of the applicab	vners of the properties in art of the property to while a, the Landowner shall: le public access and cro	dentifie ch bios p mana	d herein. olids have been applied
The Landowner has no other notify the Permittee immediat application or any part of this	tely if conditions change sucl	n that the fields are no lo	onger a	vailable to the Permittee for
The Landowner hereby grant agricultural sites identified ab inspections on the land identipurpose of determining compounds B biosolids Water to Yes 口 No 図 Yes	ove and in Exhibit A. The La ified above, before, during or iliance with regulatory require reatment residuals	andowner also grants pe after land application of ements applicable to su	ermission f permit ch appli Other	on for DEQ staff to conduct ted residuals for the
Printed name Deborah F. Longe  By:  Title* Trustee	Mailing Address P.O. BOX 12 KING-4 QUE Phone Nog CX1-4	2085 24-4708	HU	ner Signature Min 8- Imagat, rustee
	to sign for the landowner as indicalle official [or officer] authorized to state or federal agency, etc.			

#### Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name	-	Mailing Address	Permittee- Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signatur
Title	Technical Manager	Phone No. 540-547-3300	anula

	144			Country O'	King & Queen G. Essex Co.	
	nittee:	Recyc Syst		_ County of City:	ESSEX Co.	× 2
Lan	downer	: Robert E. G Credit Shelter	TOSON T	_		
Lan	downer	Site Management R	equirements:			
					tion regarding regulations governing and application of biosolids.	the
identi	ified belo	en expressly advised by w must be complied with onsible for the implemen	h after biosolids ha	ve been applied on my proportices.	irements and site access restrictions perty in order to protect public health	and
l agre	solids at	the site:		ctices at each site under my	ownership following the land applica	
1.	biosolic				purpose of identifying my field as a st 30 days after land application at th	
2.	Public /	Access	11			
	а			al for public exposure shall I	be restricted for at least one year	1
	ь	any application of bios	with a low potentia olids. No biosolida	s amended soil shall be exc	e restricted for at least 30 days follow avated or removed from the site duri event public exposure to soil, dusts o	ng
	•	aerosols;	y a regardance of		d for one year after application of	
	C,		vested turf is place	ed on either land with a high	potential for public exposure or a la	wn,
3.	Crop Re	estrictions:	of the factor with a second	r nither om halfay itt (it as albhais). Bris inneala la face an Vina itt (it as	er og a Vangog en fikar for å oppligtet for til er Og det knæd til en fill for å til en er til en er	11.
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	b.	Food crops with harve application of biosolids	sted parts below the whoselid	ne surface of the land shall it is remain on the land surfac	s not be harvested for 20 months after e for a time period of four (4) or mon	е
	C.	Food crops with harve	sted parts below th	ne surface of the land shall r	not be harvested for 38 months when	the
		biosolids remain on the	e land surface for a	time period of less than for	ir (4) months prior to incorporation.	Kar
	d. e.	Feed crops shall not b	e harvested for 30	days after the application o	after the application of biosolids; f biosolids (60 days if fed to lactating	n
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	FOI	lowing biosolids applica	tion to pasture or r	nayland sites: " uzed for 30 days,	i a mysterneg grantens giftheren.	
			s shall not be graze	ed for a minimum of 60 days		
5	residual	s applications such that	the total crop nee	ds for nutrients are not exce	with the biosolids and industrial eded as identified in the nutrient 04.2 of the Code of Virginia;	
6.	Tobacco years fo	p, because it has been sollowing the application of	shown to accumula of biosolids or indu	ate cadmium, should not be	grown on the Landowner's land for t admium equal to or exceeding 0.45	hree
	pounds	acre (0.5 kilograms/hed	ctare).		To Aven XI	
9	lem	in 8. Inget	; Suster	<i>)</i>	9/24/18	
	Landov	vner's Signature			Date	
					. / /	
	1 1	2. Tom Jan	la.		9/24/18	
	Operat	or's Signature	mailing ac	idress & phone	Date	

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

is identified below in as Exhibit A.  Every biosolids, water arcel ID  1 R - 12/9  2 L - 983  7 L - 1207  3 R - 996  Sites are identified on a sole owner of the experimental or part of the experimen	er treatment residu  Tax Parcel ID  24-53R-7  Essex Co.  Tax May 52-  a supplement A (check in properties identifiers of the property to what is the property to what it is th	tified on als or ot 20076 K3	Virginia, which includes the tax map(s) with county her industrial sludges Tax Parcel ID  **QCor**  de herein.	e
arcel ID  7 R - 1219  2 L - 983  7 L - 1207  5 R - 996  Sites are identified on sole owner of the e of multiple owner insfers all or part of	Tax Parcel ID 24-53R-7  Essex Co, Tax May 52-  a supplement A (check in properties identified in a continuo supplement to what the property to what is a continuo supplement to supplemen	76 Ka 76 if applicabled herein	Tax Parcel ID	
7R-1219 2L-983 7L-1207 3R-996 Sites are identified on sole owner of the e of multiple owner onsfers all or part of	24-53R-7  ESSEX Co,  Tax Ma S2-  Supplement A (check in properties identified in soft the property to with the pro	76 Ks 76 ir applicabl ed herein identifie	e)	
3L - 983 7L - 7207 3K - 996 Sites are identified on sole owner of the e of multiple owner nsfers all or part o	ESSEX CO, TOKMO S2  n Supplement A (check in properties identifies in soft the property to with the property to wi	76 If applicabled herein identifie	e) n. d herein.	
7L - / 207  5K - 996  Siles are identified on sole owner of the e of multiple owner nsfers all or part of	Tax Na 52- n Supplement A (check in properties identified ins of the properties of the property to wi	76 if applicabled herein identifie	n. d herein.	
7L - / 207  5K - 996  Siles are identified on sole owner of the e of multiple owner nsfers all or part of	Tax Na 52- n Supplement A (check in properties identified ins of the properties of the property to wi	76 if applicabled herein identifie	n. d herein.	
Siles are identified on sole owner of the of multiple owner nsfers all or part o	n Supplement A (check in properties identifiers of the properties of the property to wi	if applicabled herein identifie	n. d herein.	
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e of multiple owner nsfers all or part o	rs of the properties of the property to wh	identifie	d herein.	
of the applicable pref; and hin two weeks follow or land application	owing property tran	rop man sfer. ified here	agement restrictions no late ein. The Landowner will wallable to the Permittee fo	
ecomes invalid or to the Permittee to hibit A. The Lando fore, during or afte gulatory requireme	the information here land apply residua owner also grants p er land application ents applicable to si	ein conta ils as spe permission of permit uch appl Other	ained becomes incorrect. ecified below, on the on for DEQ staff to conduct tted residuals for the lication. industrial sludges	
er] authorized to act o		GH.	An I James Truttee ir Power of attorney, etc.	
The state of the s	nibit A. The Land fore, during or aft julatory requirements Food points of the No.	nibit A. The Landowner also grants proceed the fore, during or after land application pulatory requirements applicable to state the following state of the follo	nibit A. The Landowner also grants permissifore, during or after land application of permisulatory requirements applicable to such applicable to s	Landowner Signature  OBEX 573  Hett, UA 23009  He No.  Justice  downer as indicated by my title as executor, Trustee or Power of attorney, etc.  er] authorized to act on behalf of the following corporation, partnership,

d by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name	•	Mailing Address	Permittee- Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signature
Title	Technical Manager	Phone No. 540-547-3300	Truko

Rev 6/11/2018

					King & Quem Co.	
Pern	nittee:	Recyc System	ns, Inc	County or City: <u> </u>	King & Queen Co. —Essex Co.	
Land	downer	: Robert E. Gibs: Credit Shelter 7	n			
Land		Site Management Rec			1 1 - 2 130 1 00	
I, the land a	Landowi applicatio	ner, I have received a DEG on of biosolids, the compo	Q Biosolids Fact Sheen	t that includes informa proper handling and	ation regarding regulations governing land application of biosolids.	the
identif	fied belo		after biosolids have be	en applied on my pro	rirements and site access restrictions perty in order to protect public health,	ån
of bios	solids at	the site:	with a second to the disco-	at each site under my	y ownership following the land applica	
1,5	biosolid	tion Signs: I will not remo is land application site, un ompleted.	ve any signs posted less requested by the	by the Permittee for the Permittee, until at lea	e purpose of identifying my field as a st 30 days after land application at the	at
2	Public A a, b. c.	Public access to land with following any application Public access to land with any application of biosol this same period of time aerosols;  Turf grown on land when	of biosolids.  th a low potential for pids. No biosolids amountess adequate prove	oublic exposure shall to ended soil shall be exc visions are made to pr d shall not be harvest	be restricted for at least one year be restricted for at least 30 days follow cavated or removed from the site during event public exposure to soil, dusts or ed for one year after application of the potential for public exposure or a lay	ng
3.	a. b. c. d. e,	unless otherwise specific estrictions: Food crops with harvests shall not be harvested for Food crops with harvests application of biosolids with months prior to incorporate Food crops with harvests biosolids remain on the I Other food crops shall not be I Feed crops shall not be I	ed by DEQ.  ed parts that touch the or 14 months after the ed parts below the su when the biosolids ren ation into the soil, ed parts below the su and surface for a time er crops shall not be I harvested for 30 days	e biosolids/soil mixture application of biosolid rface of the land surface of the land shall period of less than for arvested for 30 days after the application of	and are totally above the land surfac	the
4	Livestoc Foll a	k Access Restrictions	n to pasture of haylar shall not be grazed for shall not be grazed for	nd sites: <sup>ko</sup> or 30 days, f a minimum of 60 day	one no fina andrary named a a sa islama infanto alia mag madali sa comentati ilia	23.
	residual	s applications such that th	e total crop needs for	r nutrients are not exce	d with the biosolids and industrial seeded as identified in the nutrient 104.2 of the Code of Virginia;	
	years fo		biosolids or industrial re).		grown on the Landowner's land for the cadmium equal to or exceeding 0.45	
-	HVI Landow	vner's Signature	trustee		7/24//8 Date	

mailing address & phone

9/24/18 Date

# **FARM DATA SHEET**

SITE NAME:	Robert E. Gibson	COUNTY:	Essex
OWNER:	Nettie C. Gibson Trustee	OPERATOR:	Tommy O. Longest, Jr.
OWNER'S	26841 The Trail	OPERATOR'S	P.O. Box 126
ADDRESS:	Mattaponi, VA 23110-9714	ADDRESS:	King & Queen Courthouse, VA 23085
OWNER'S TELEPHONE:	804-785-2484	OPERATOR'S TELEPHONE:	804-785-6620 (Shop)
GENERAL FARM TYPE:	Row Crops	CELL PHONE:	804-824-4712
# CATTLE:	None	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	37.795
TOPO QUAD:	Dunnsville	LONGITUDE:	76.798
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
Field #1 was Field	#24 in Robert E. Gibson	King & Queen site book.	
			SD®

### RECYC SYSTEMS, INC FIELD DATA SHEET

Field	DEQ	Gross	Enviro	- nmentally :	Sensitiv	e Soils		Tax	FSA
Identification	Control ID	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro Map	Map#	Tract #
EXREG 1	51057-00025-0000	24.0	3A DecApr. 20D NovApr. 25A NovApr.	-	-	3A DecMay	CB 06	52-76	T 2799 F 1
								·	
								-	
TOTAL ACRES IN SITE		24.0							

#### Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc.

Site Name:

Robert E. Gibson

County or City:

Essex Co.

Please Print

Signature not required on this page

	0.6.10tm 0.10t (044m 2m 011 m) \$465
Tax Parcel ID(s)	Landowners (s)
	Robert E. Gibson Trustee (Deceased)
52-76	Nettie C. Gibson Trustee
-	

Page 1 of 2

Report Number: 14-297-0607

Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Grower:

Submitted By: SD

Farm ID:

Send To: RECYC SYSTEMS INC SUSAN TRUMBO

8455 WHITESHOP RD CULPEPER VA 22701 ROBERT GIBSON

ESSEX CO

**SOIL ANALYSIS REPORT** 

Analytical Method(s):

Mehlich 3

Date Received: 10/24/2014

Date Of Analysis: 10/27/2014

Date Of Report: 10/27/2014

		Org	ganic Ma	atter		Phos	phorus		Pota	ssium	Mag	nesium	Cal	cium	Soc	lium	р	Н	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR	Mehl	ich 3		erve		K	1	Мg	0	Ca Ca	١	la .	Soil	Buffer	Н	
110.015	110111001	~	TIACC	lbs/A	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	рH	Index	meq/100g	meq/100g
24 EXREG	03377	2.1	L	84	131	VH			90	M	43	L	831	Н			5.9	6.83	1.0	5.7

		Percer	nt Base	Saturati	on	Nitr	ate	Sı	ılfur	Zi	nc	Mang	anese		on	Сор	per	Bot	ron	Soluble	Salts	Chle	oride	Aluminum
Sample ID Field ID	К	Mg	Ca	Na	н	NO	,N		s	Z	'n	M	n		e:	Ci	u	E	3	SS	<b>S</b>	(	ĸ	Al
Field 1D	%	%	%	%	%	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ms/cm	Rate	ppm	Rate	ppm
24 EXREG	4.0	6.3	72.9		17.2												,							

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Paurie Mc George

Pauric McGroary

Page 2 of 2

Report Number: 14-297-0607 Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

ROBERT GIBSON ESSEX CO Submitted By: SD

Farm ID:

Date Received: 10/24/2014

Date Of Report: 10/27/2014

#### SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P <sub>2</sub> O <sub>5</sub> Ib/A	Potash K₂O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn Ib/A	Manganese Mn Ib/A	Iron Fe Ib/A	Copper Cu lb/A	Boron B Ib/A
24 EXREG	Adjust pH to 6.5	0	1.3				37						

#### Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

#### THE PLANNER IS NOT STATE CERTIFIED

#### Nutrient Management Plan Balance Sheet (Fall, 2018-Winter, 2020) Robert E. Gibson Planner: John Doe

Tract: 2799

Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

IN - IN DASEU, IF - F				Tair a	T	I		1	1	_			
Field	Size	Yr.	Crop	Needs	Leg	Manure/BiosId	IT	Man/Bios	Net = Needs -	Sum	Commercial	Notes	
CFSA No.	(ac)			N-P-K	/Man	Rate & Type	(d)	1	appld N-P-K	Р	N-P-K		
/Name	Total/			(lbs/ac)	Resid	(season)		(lbs/ac)	(lbs/ac)	rem	(lbs/ac)		
	Used			, ,		<u> </u>		Í		cred			
1/EXREG 1(1P)	24/24	2018	Wheat (grain)	100-0-60	0/0				100-0-60	26			
, . I		2019											<u> </u>

**Commercial Application Methods:** 

br - Broadcast ba - Banded sd - Sidedress

Notes:

#### Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
2799	EXREG 1	24	2014-Fa	VH (131 P ppm)	M (90 K ppm)	A&L MIII	5.9		

### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
2799	2799/1	EXREG 1	24	State1	IIIb	111	III	111	

#### Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
1	>170	>80	>64	>6	>4.0
It	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

#### **Farm Summary Report**

Plan: New Plan Fall, 2018 - Winter, 2020

Farm Name: Robert E. Gibson

Location: Essex
Specialist: John Doe
N-based Acres: 0.0
P-based Acres: 24.0

**Tract Name:** 2799 FSA Number: 2799

Location: Essex

Field Name: EXREG 1

Total Acres: 24.00 Usable Acres: 24.00

FSA Number: 1 Tract: 2799

Location: Essex

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2014 5.9 VH(131 P ppm) M(90 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

3 3A Bibb 21 9C Emporia

11 20D Rumford Slagle

40 22B State1 24 25A Tomotley

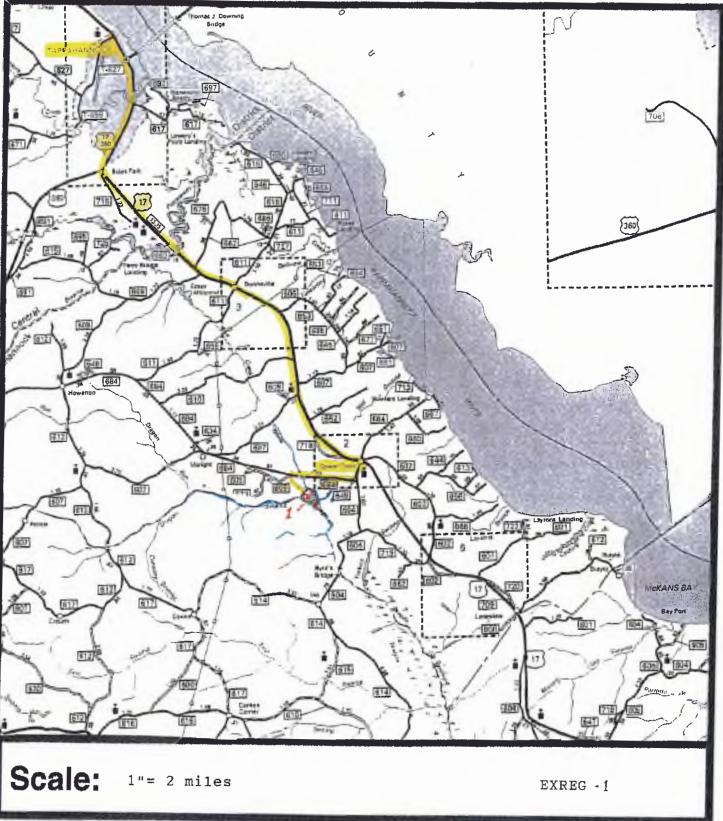
#### Field Warnings:

# M P

# Recyc Systems™

(Biosolids Land Application)





9-12-18

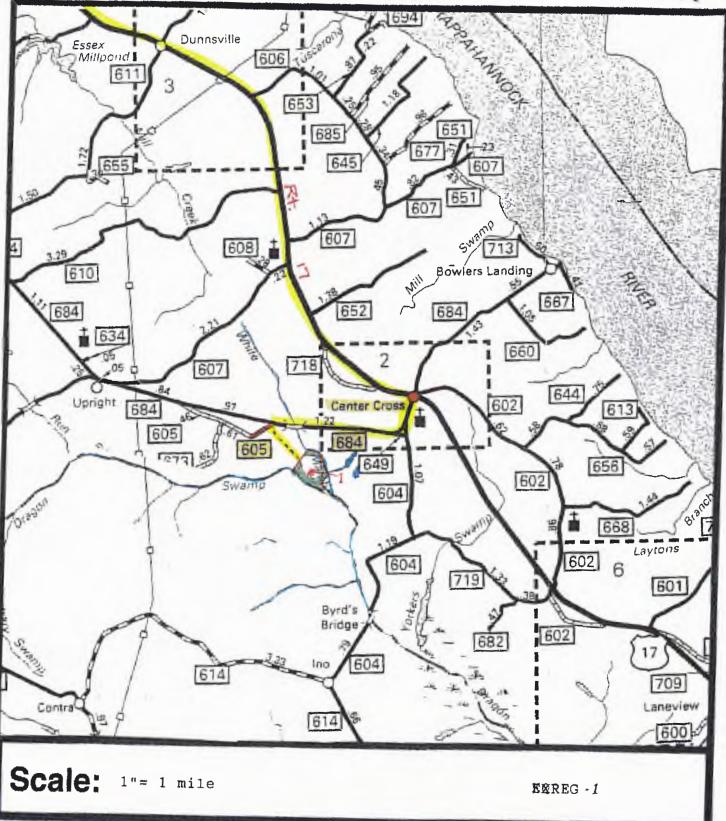
**VICINITY MAP** 

# Recyc Systems.

C. (Biosol



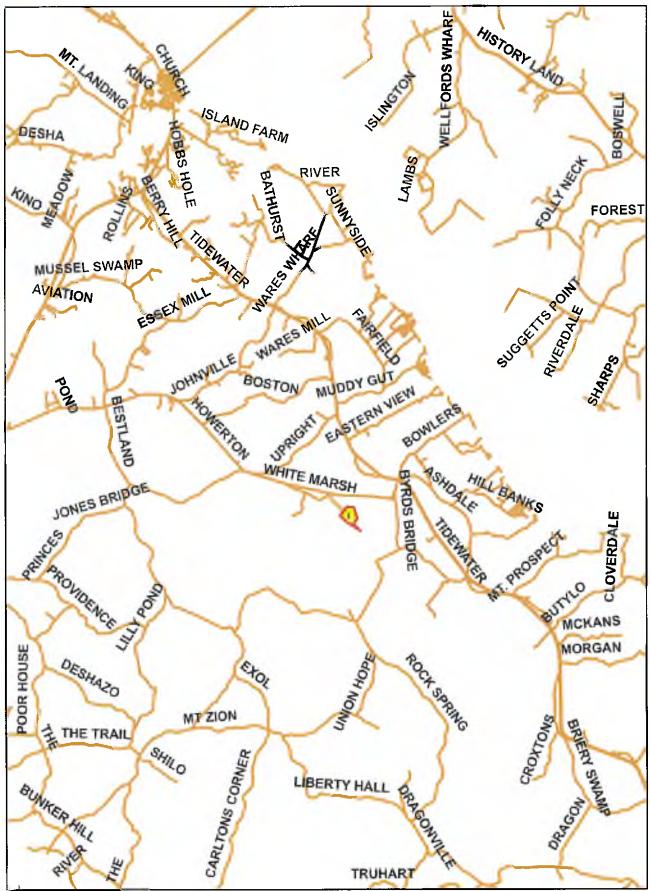




9-12-18

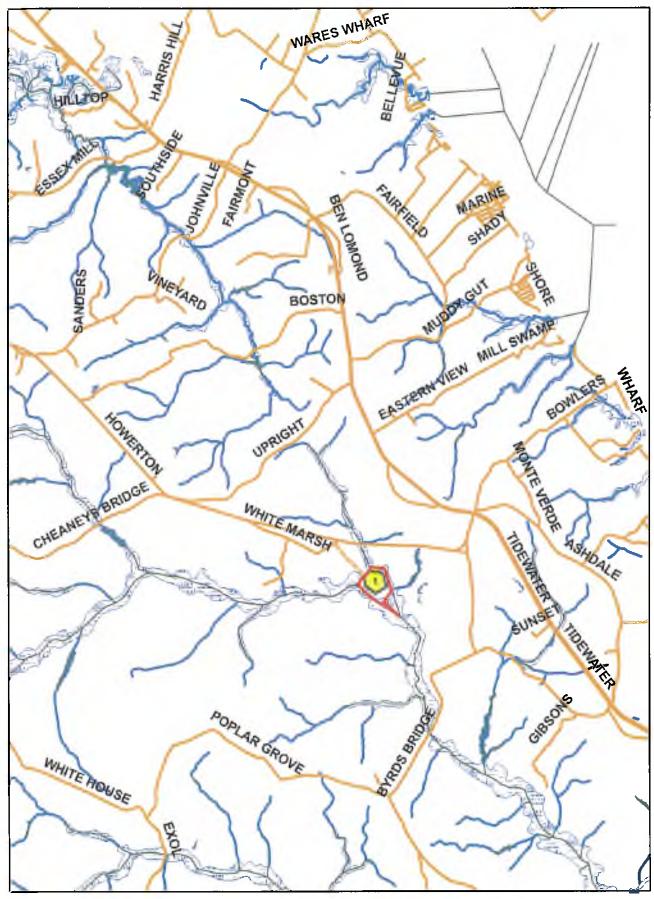
**VICINITY MAP** 





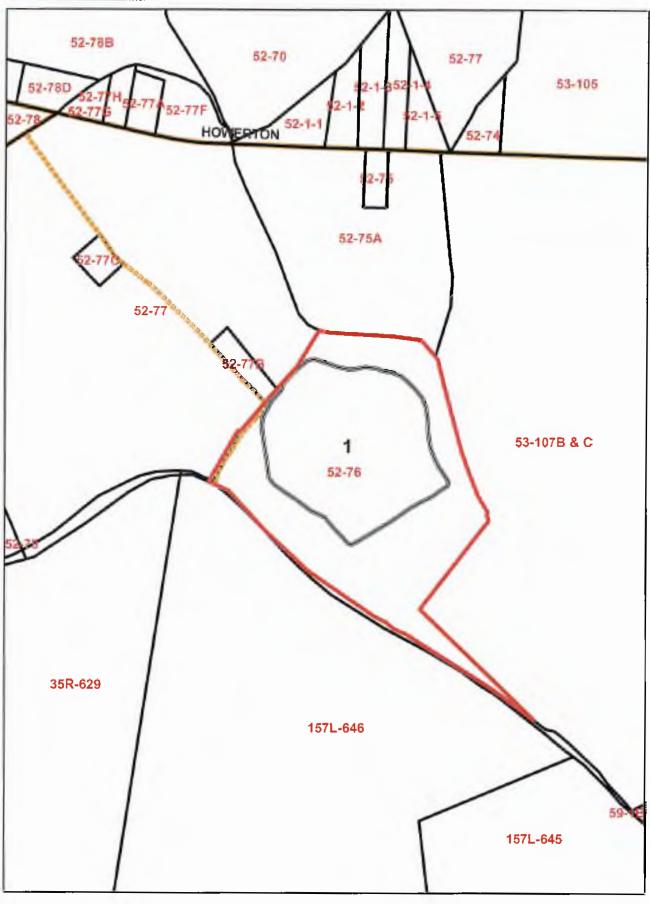










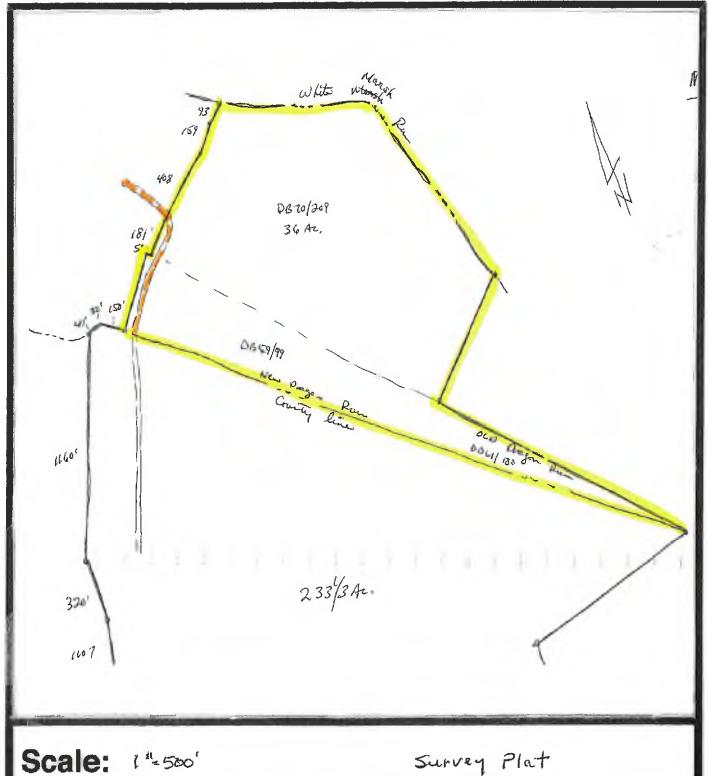




# Recyc Systems...

(Biosolids Land Application)



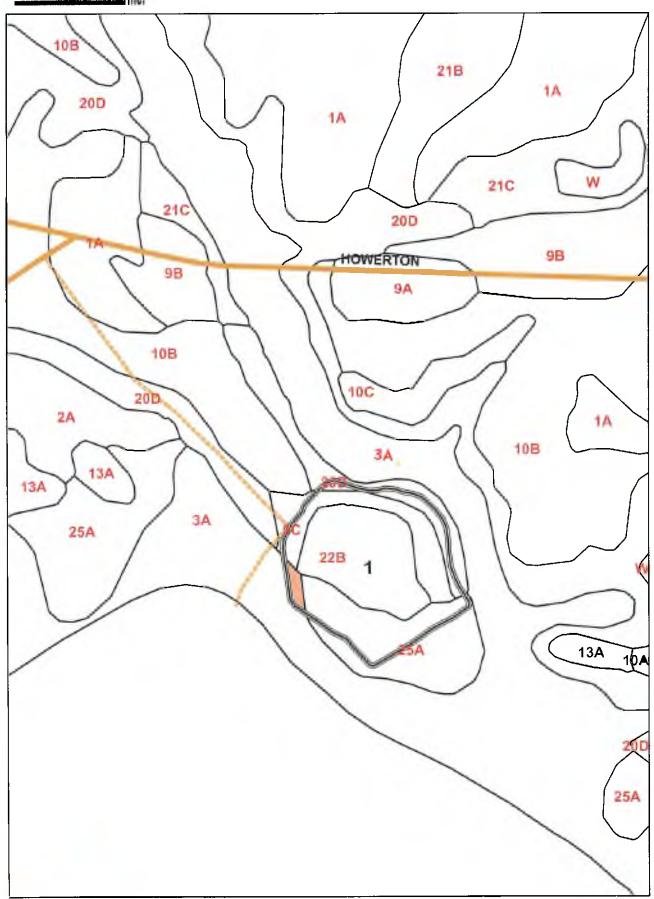


# **ADJOINING LANDOWNERS**

### Robert E. Gibson

### **ESSEX COUNTY**

Tax Map	Parcel #	Owner Name(s)
52	75A 77 77B 107B 107C	John Mason Hundley T. Larkin Hundley Trust James R. Tunstall et. ux. Hundley Brothers Hundley Brothers
		KING & QUEEN COUNTY
23	157 <b>L-</b> 645 157 <b>L-</b> 646	Middle Penninsula Chesapeake Bay Robert E. and Nettie C. Gibson Trustees
24	35R-629	Heartwood Forestland Fund VI LP





9-12-18 SOIL MAP

1 in = 660 feet







9-12-18

#### King and Queen County, Virginia



Farm 3358 Tract 2799

2018 Program Year

Map Created July 31, 2017

#### **Common Land Unit**

Common Land Unit

Tract Boundary

#### Wetland Determination Identifiers

- Restricted Use
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 147.32 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data as is and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

### **Legend For Site Plan**

Symbol	Feature	Minimum Setback
3 47M	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
<b>(1)</b>	Well or Spring	100 feet from water supply wells or springs
~	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
ш	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
2	Severely Eroded Spot	18 Inch minimum depth of soil
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
_P _ P P	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

<sup>\*</sup>Buffer can be reduced or waived upon written consent from landowner.



